

Converting Colors

CIELCh(27, 44.223, 140.821)

Have a look what the booklet for
CIELCh(27, 44.223, 140.821)
contains.

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Color

CIELCh(27, 44.176, 140.756)

Conversions

Conversions Part 1

Format	Color
Hex	004B10
RGB	0, 75, 16
RGB Percent	0%, 29%, 6%
CMY	0.9991, 0.7052, 0.9366
CMYK	1.00, 0.00, 0.78, 0.71
HSL	133°, 99%, 15%
HSV	133°, 100%, 29%
XYZ	2.6248, 5.0937, 1.3414
YIQ	45.8490, -25.7610, -34.2490

Conversions

Conversions Part 2

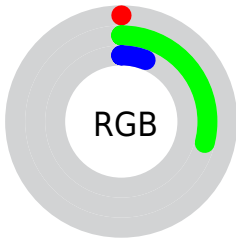
Format	Color
RYB	0, 62, 75
Decimal	19216
CIELab	27.00, -34.21, 27.95
CIELCh	27, 44.176, 140.756
Yxy	5.0937, 0.2897, 0.5622
Android (android.graphics.Color)	4278209296 (0xFF004B10)
YUV	45.8490, -14.7156, -40.2096
Hunter-Lab	22.5692, -18.7363, 12.2746

Details

The CIELCh color **27, 44.176, 140.756** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **15, 41.061, 337.693**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 44.413, 140.846**, and **9, 23.127, 144.258** is the 20% darker color. If you saturate the color by 10%, you get **27, 44.270, 140.728**, and if you desaturate by 10%, it is **27, 41.066, 141.890**.

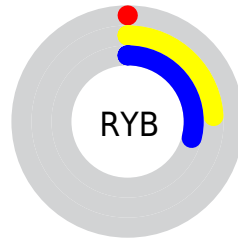
Distribution



Red (0%)

Green (29%)

Blue (6%)



Red (0%)

Yellow (24%)

Blue (29%)

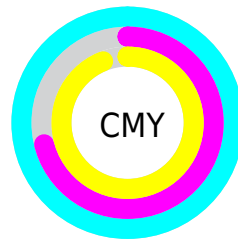


Cyan (100%)

Magenta (0%)

Yellow (78%)

Black (71%)



Cyan (100%)

Magenta (71%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 44.176, 140.756 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 27, 44.176, 140.756 by changing the saturation by 10% instead.

 27, 44.176,
140.756

 27, 44.176,
140.756

 100, 44.176,
140.756

 17, 44.176,
140.756

 47, 44.176,
140.756

 7, 44.176, 140.756

 57, 44.176,
140.756

 0, 44.176, 140.756

 67, 44.176,
140.756

 77, 44.176,
140.756

 87, 44.176,
140.756

 97, 44.176,

140.756

■ 27, 44.176,
140.756

■ 27, 44.176,
140.756

■ 27, 44.270,
140.728

■ 27, 41.066,
141.890

■ 27, 37.649,
143.348

■ 28, 33.758,
144.732

■ 28, 29.459,
145.992

■ 29, 24.843,
147.117

■ 29, 19.998,
148.111

■ 30, 15.008,
148.984

■ 30, 9.946, 149.751

■ 31, 4.873, 150.434

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27, 44.176, 140.756



15, 41.061, 337.693

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27, 44.176, 140.756



27, 44.176, 190.756



27, 44.176, 320.756



27, 44.176, 10.756

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27, 44.176, 140.756



38, 18.715, 148.868



29, 40.840, 113.681



18, 12.590, 148.696



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27, 44.176, 140.756



35, 53.611, 139.999



28, 28.127, 164.199



15, 2.847, 150.500



37, 55.736, 139.874



80, 103.945, 138.597

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15, 41.061, 337.693



20, 48.723, 338.142



13, 35.248, 14.924



14, 2.857, 331.423



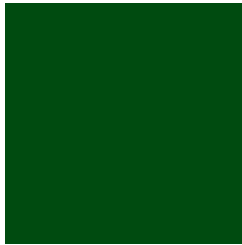
22, 50.459, 338.219



52, 90.346, 339.116

Previews

White Background



This preview shows how the CIELCh color 27, 44.176, 140.756 looks on a white background.

Color Contrast Check

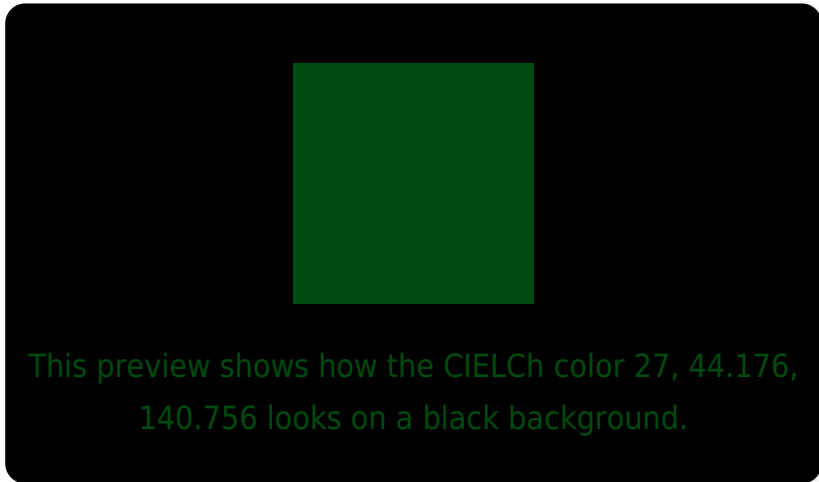
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

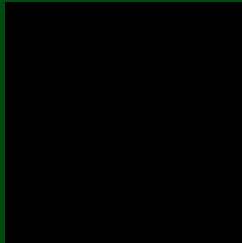
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 44.176, 140.756

Background



This preview shows how black text looks on a background with the CIELCh color 27, 44.176, 140.756.



This preview shows how white text looks on a background with the CIELCh color 27, 44.176, 140.756.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27, 44.176, 140.756

Protanopia

27, 30.725, 95.927

Deuteranopia

27, 26.212, 82.332



Tritanopia
27, 14.130, 213.612

Trichromacy



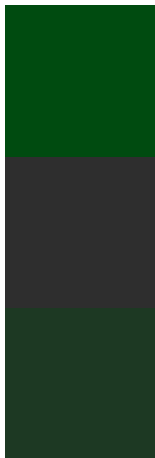
Original Color
27, 44.176, 140.756

Protanomaly
26, 33.837, 122.875

Deuteranomaly
26, 28.638, 120.012

Tritanomaly
27, 22.924, 165.197

Monochromacy



Original Color
27, 44.176, 140.756

Achromatopsia
19, 0.004, 296.813

Achromatomaly
21, 19.523, 147.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 44.176, 140.756 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 75, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 75, 16)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 75, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 75, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 44.176, 140.756 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 75, 16) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 75, 16) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 75, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 75, 16); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 75, 16); box-shadow:4px  
4px 4px 4px rgb(0, 75, 16) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 44.176, 140.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 75, 16) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 75,  
16) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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